

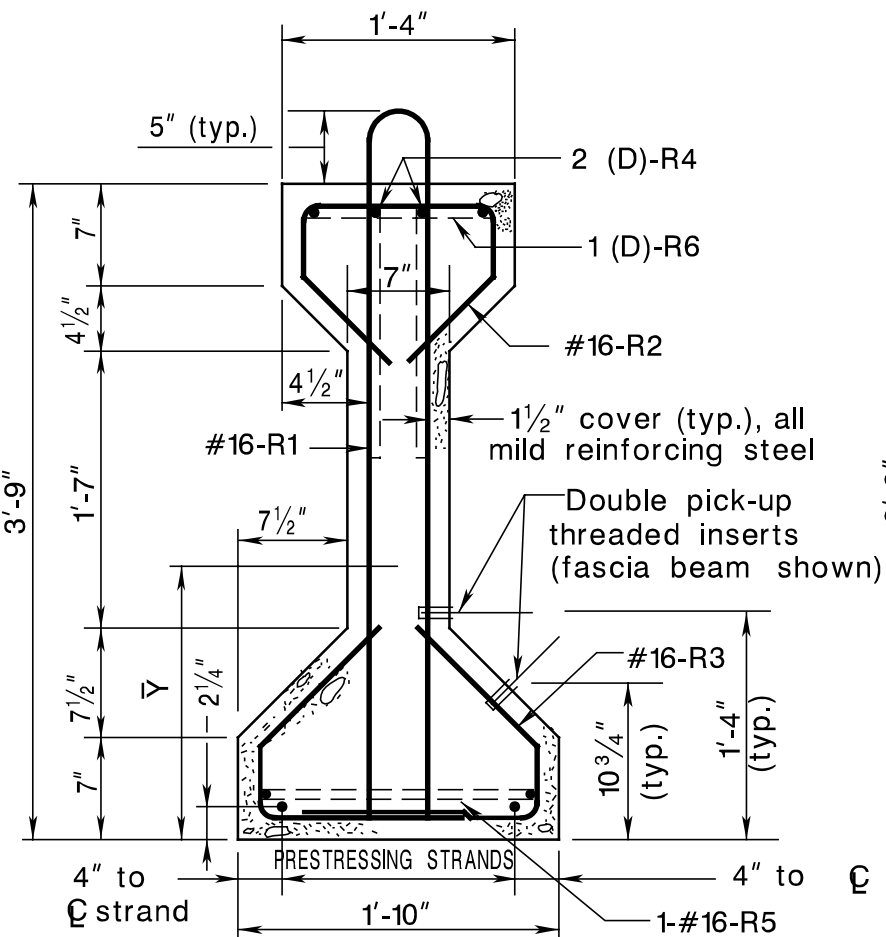
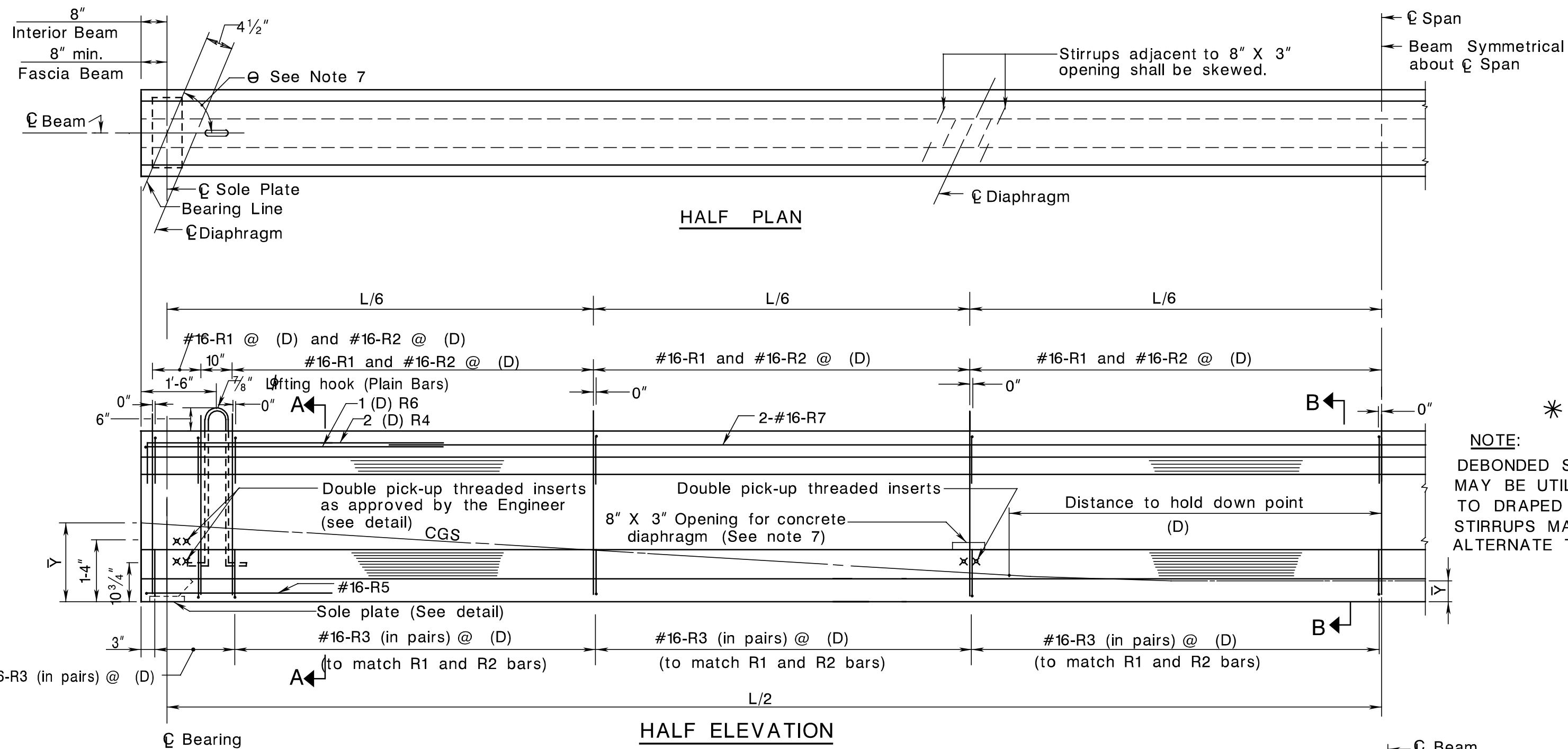
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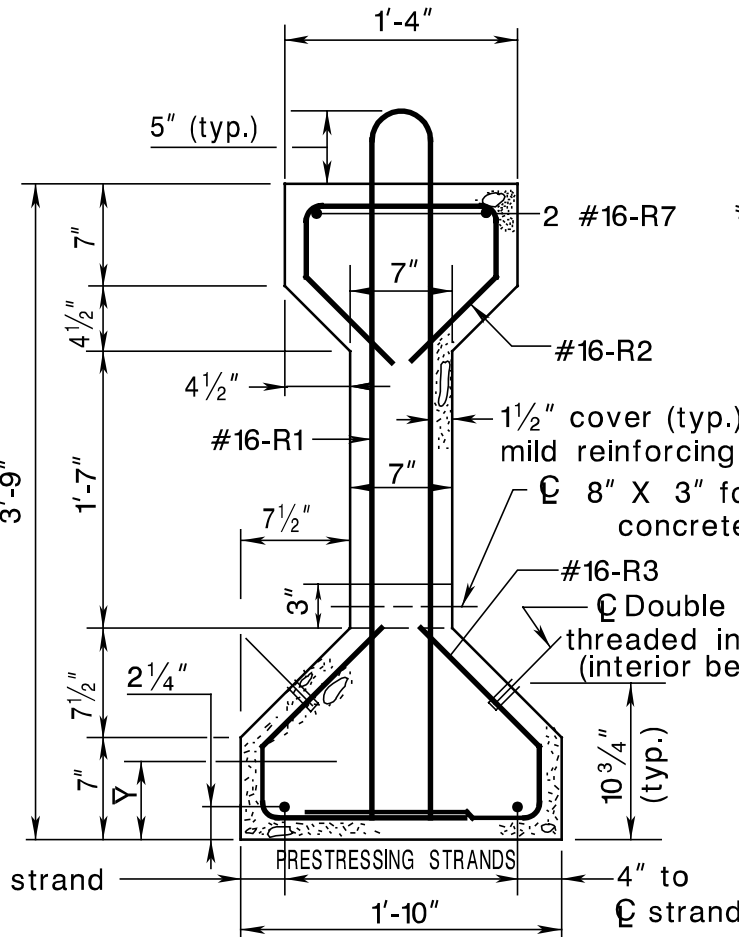
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CONTROL SECTION		JOB NO.	
DES. BY		CHK. BY	
DWN. BY		CHK. BY	
EST. BY		CHK. BY	
SPECS. BY		CHK. BY	
IN CHARGE OF			

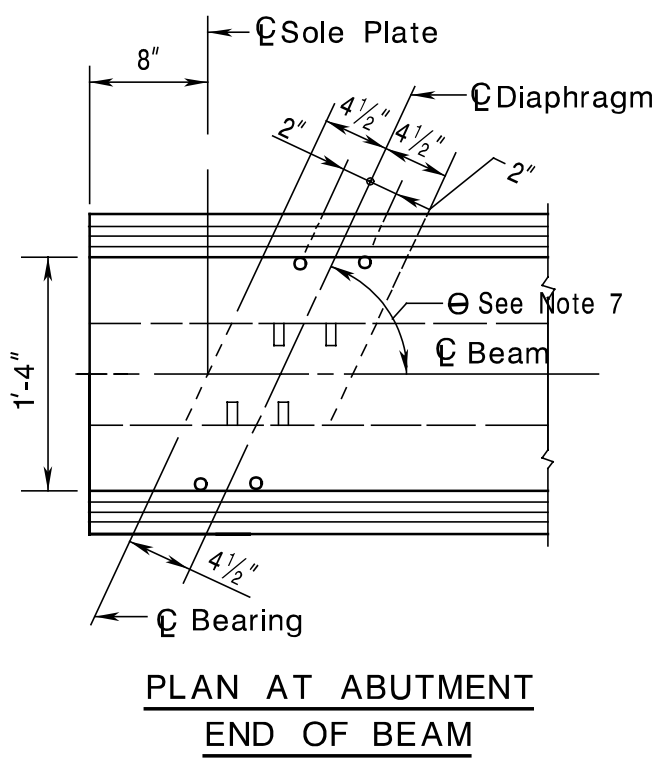


NOTE: \bar{Y} LOCATES CENTROID OF STEEL PRESTRESSING GROUP.

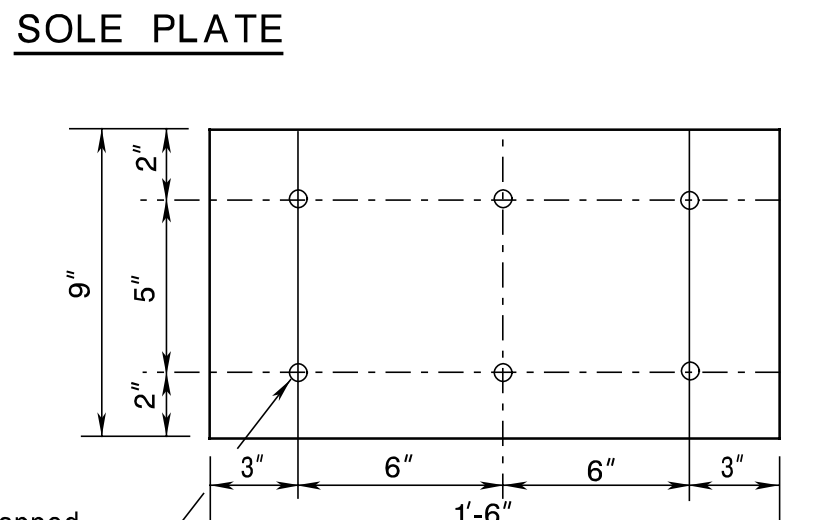
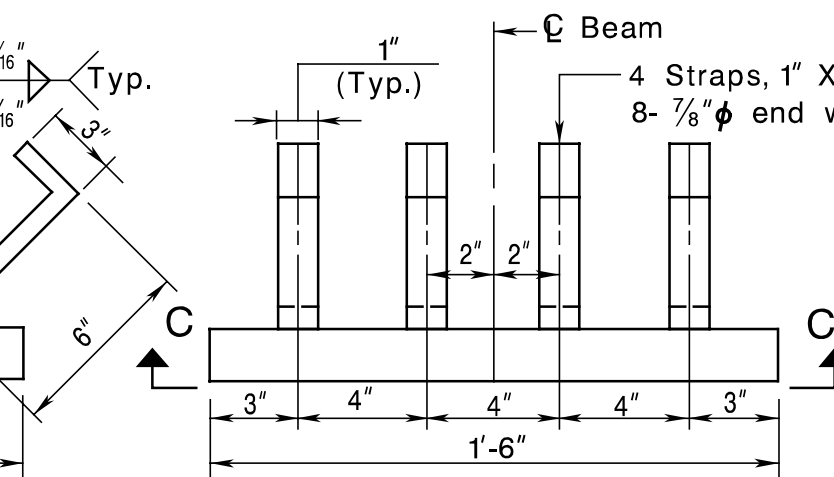


TYPICAL BEAM SECTIONS

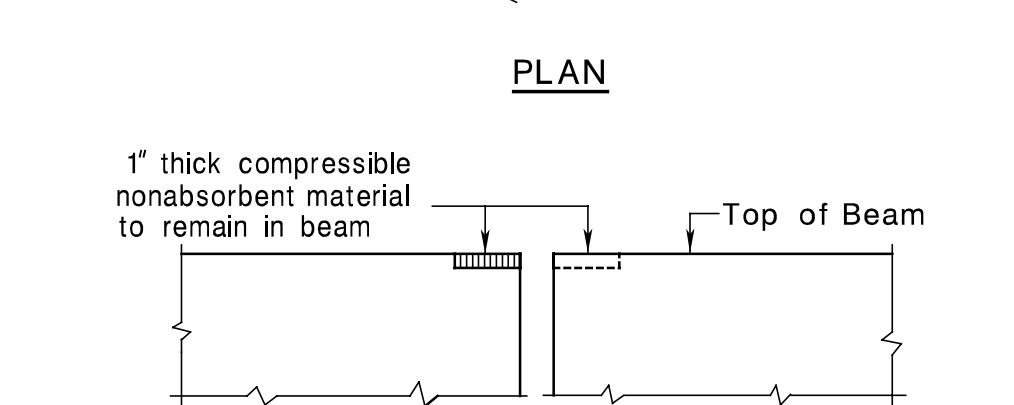
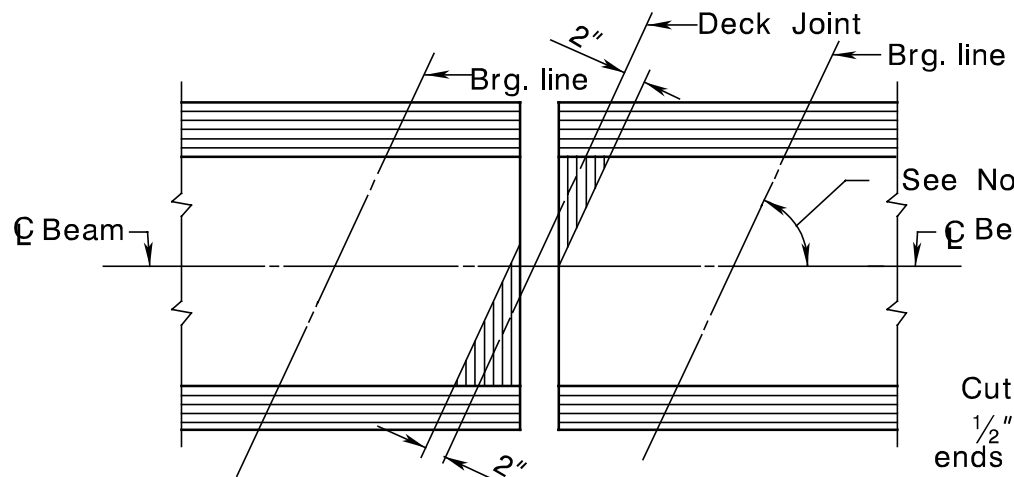
NOTE: OMIT THREADED INSERTS ON OUTSIDE FACE OF FASCIA BEAM



LOCATION PLAN OF THREADED INSERTS



Drill 3/4" deep overlapped holes in 1" thick Sole Plate before galvanizing to receive 3/4" ϕ flat head cap screws.



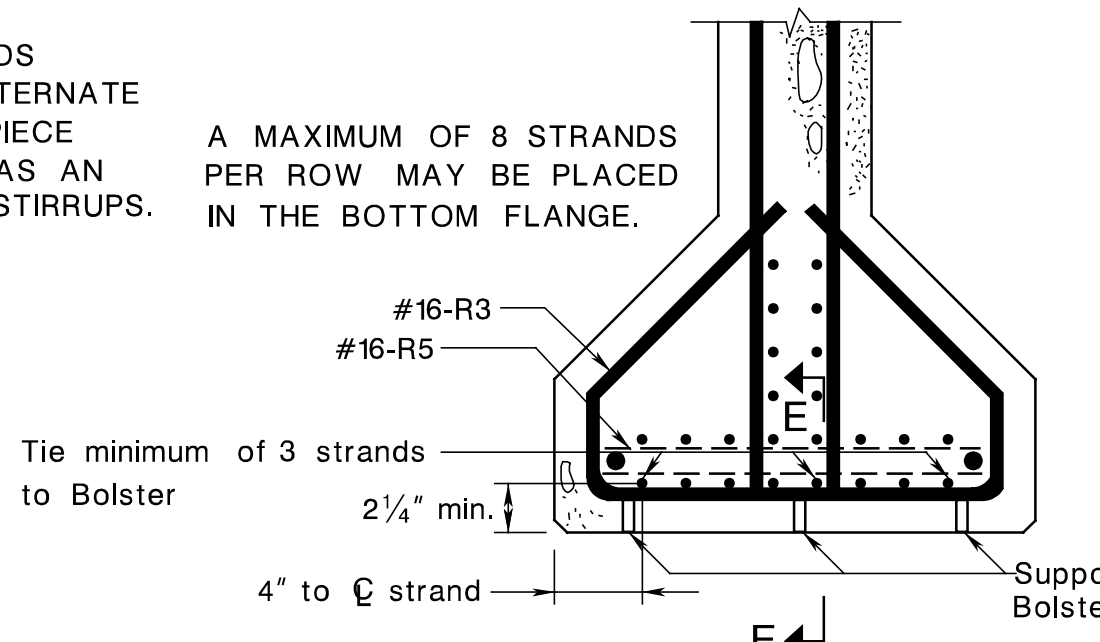
BEAMS AT PIERS

SCHEDULE OF MILD STEEL REINFORCEMENT									
NO.	MARK	SIZE	LENGTH	TYPE	A	B	C	D	
(D)	*R1	#16	8'-3"	1	4'-1/2"	4"	-	-	
(D)	R2	#16	3'-3"	3	6"	6"	5"	1'-1"	
(D)	R3	#16	2'-8"	4	8"	8"	5"	1'-4"	
(D)	*R4	(D)	8'-0"	2	6'-6"	1'-6"	-	-	
(D)	*R5	#16	11'-0"	2	4'-9"	1'-6"	4'-9"	-	
(D)	*R6	(D)	14'-0"	2	6'-6"	1'-0"	6'-6"	-	
(D)	R7	#16	(D)	STR	-	-	-	-	

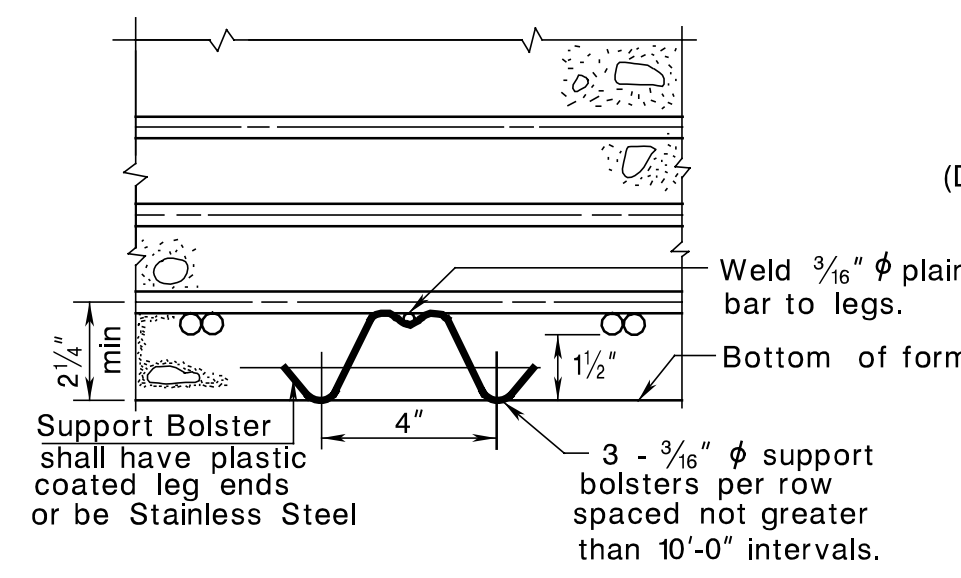
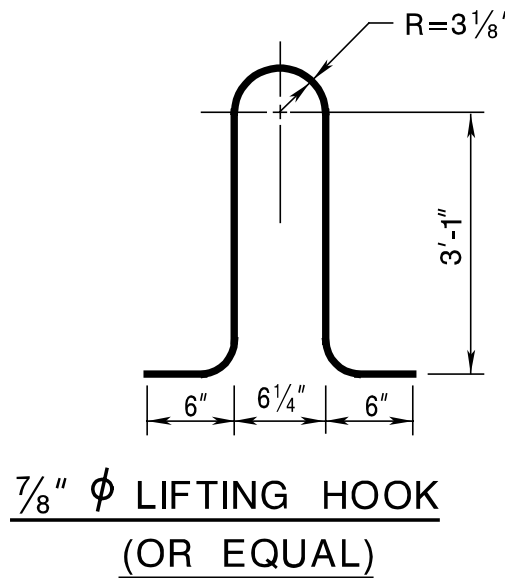
NOTE: * CORROSION PROTECTED BARS (REFER TO SECTION 26 OF THIS MANUAL FOR TYPES OF CORROSION PROTECTED REINFORCEMENT STEEL THAT CAN BE USED)

DEBONDED STRAIGHT STRANDS MAY BE UTILIZED AS AN ALTERNATE TO DRAPED STRANDS. ONE PIECE STIRRUPS MAY BE UTILIZED AS AN ALTERNATE TO TWO PIECE STIRRUPS.

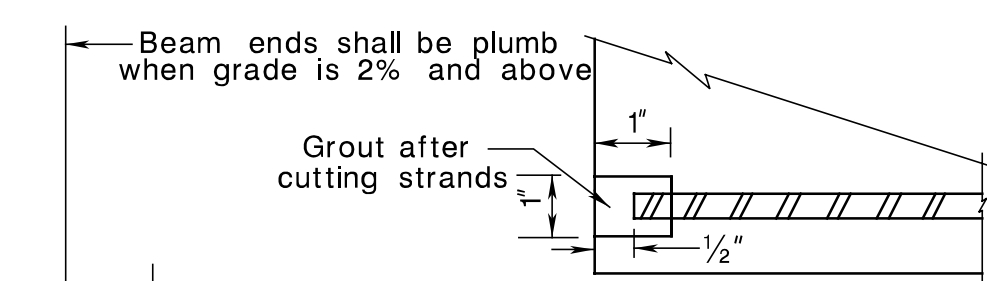
A MAXIMUM OF 8 STRANDS PER ROW MAY BE PLACED IN THE BOTTOM FLANGE.



STRAND SUPPORT BOLSTER



SECTION E-E



GRAUTED RECESS FOR STRAND AT BEAM ENDS

QUANTITIES				
PAY ITEM NO.	STANDARD ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY
(D)		PRETENSIONED PRESTRESSED CONCRETE BEAMS, 45"	L.F.	

(D)

(D) 9. For camber diagram see sheet No. B

BEAM NO.	\bar{Y} MIDSPAN	\bar{Y} ENDS	NO. OF STRANDS
(D)			

(D)



STANDARD DRAWING PLATE 2.4-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

45" PRETENSIONED PRESTRESSED
CONCRETE BEAMS

ROUTE (D) SECTION

REVISION	BY	CHKD	DATE

SCALE : NONE
BRIDGE SHEET NO. B OF B